PhD Research Opportunity in
Wind Farm Aerodynamics and Control

The Department of Civil, Structural & Environmental Engineering, Trinity College Dublin, invites applications for a PhD Researcher to join the department. This PhD project will focus on developing wind farm models with consideration of wake effects (including rapid distortion turbulence models) and data from operational wind farms. Innovative wind farm controllers will be developed using cooperative model predictive control algorithms, taking into account aerodynamics, structural dynamics and overall wind farm behaviour.

The successful candidate will join a vibrant research group at Trinity College Dublin, working at the cutting edge of wind energy research. The group is a multidisciplinary team with experience and expertise in the fields of control engineering, dynamic systems modelling, power electronics and wind energy.

To be eligible for consideration, applicants must possess a 1st class degree (or equivalent) in a relevant subject in Engineering/Science. Where applicants have an MSc degree, a distinction is required. Analytical skills and proficiency in computer coding is desirable.

Applicants are requested to send a cover letter, CV and the names of two referees, at least one of whom should be an academic, to the address below. Closing date 19th October 2018 or until a suitable candidate is found.

The position provides a stipend and covers full-time tuition fee cost. The position commences on 1st December 2018.

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